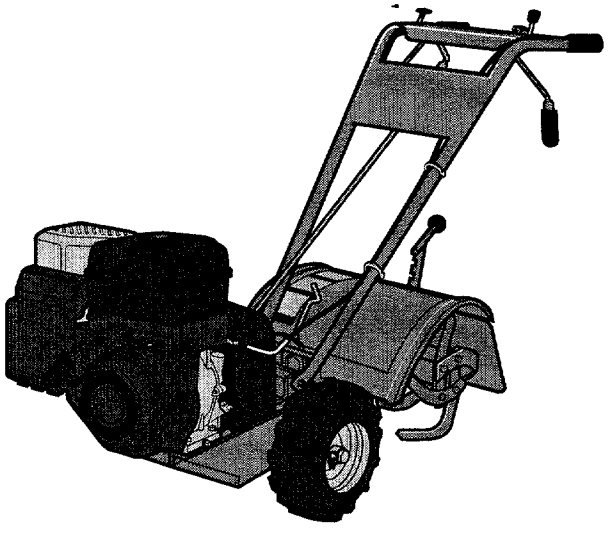
Bolens®

Parts Catalog

6HP Model Tiller



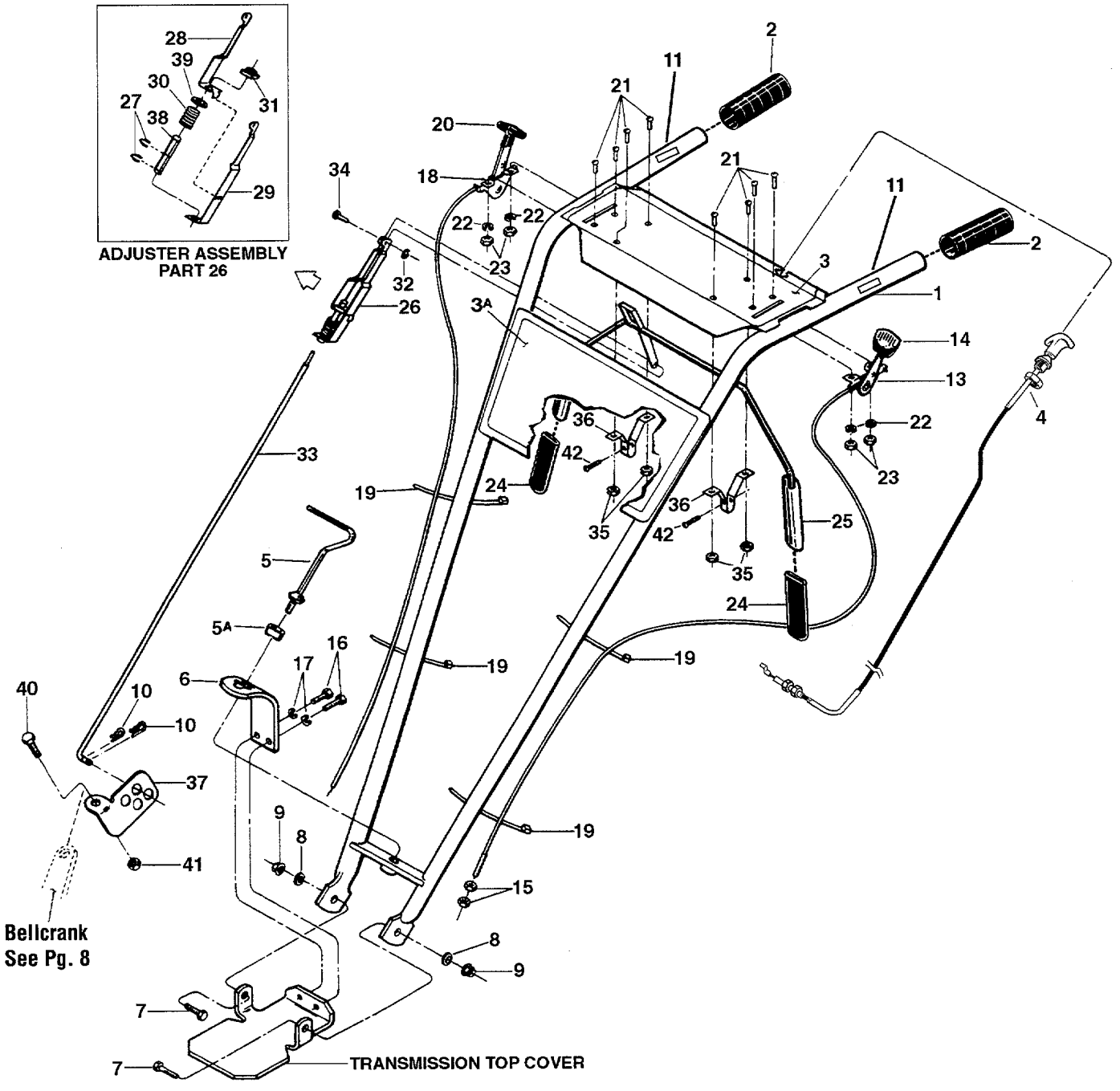
Models

12197
Serial Numbers 121971100101 - 121971199999

12203
Serial Numbers 122031100101 - 122031199999

GARDEN WAY INCORPORATED

HANDLEBAR ASSEMBLY & CONTROL LEVERS



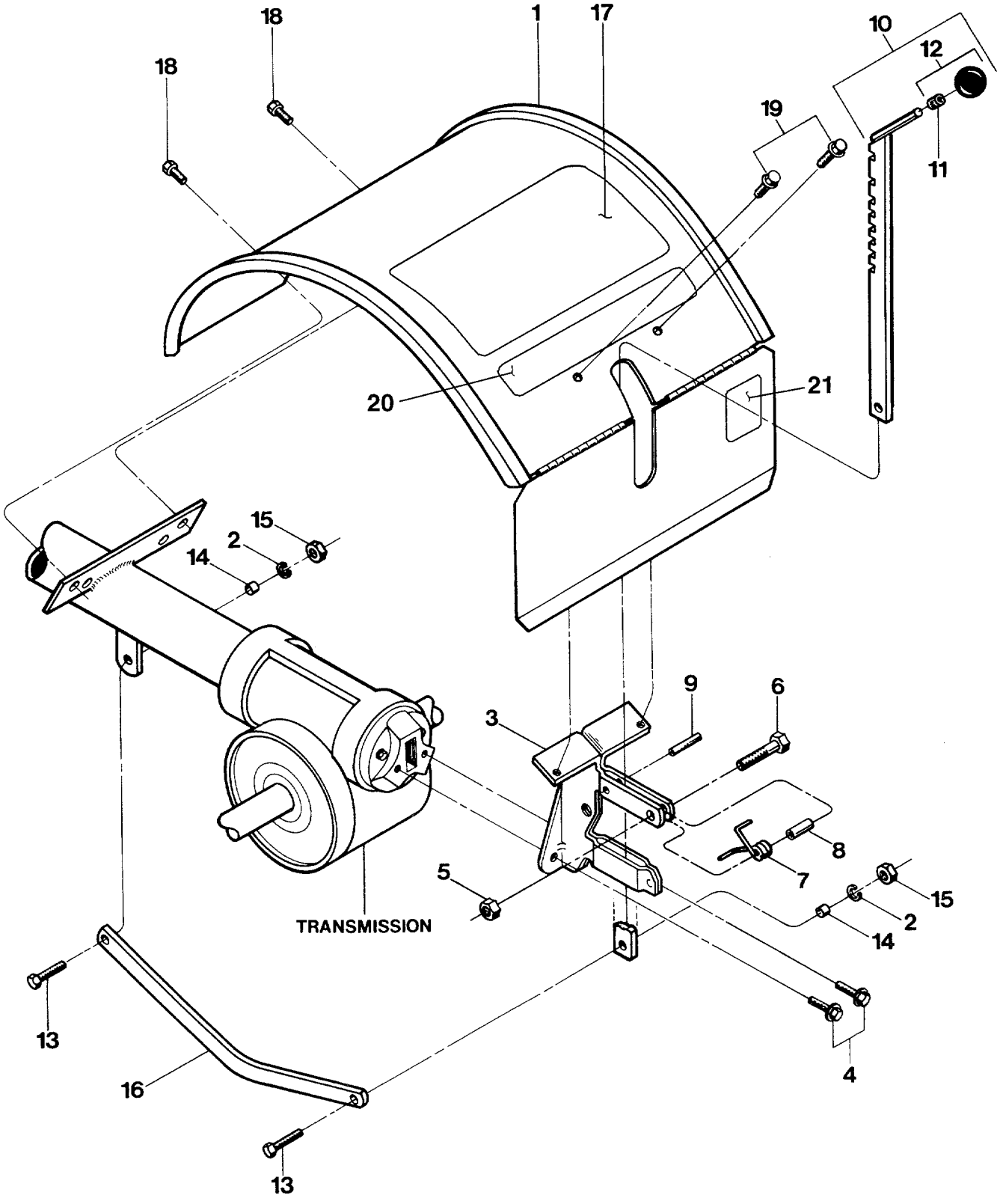
HANDLEBAR ASSEMBLY & CONTROL LEVERS

REF No.	PART No.	DESCRIPTION	QTY.
1	1917235	Handlebars–(incl. Ref. No.'s 2, 3 and 3A)	1
2	9126	Grip–handlebars	2
3	1917210	Decal–for operator control panel	1
3A	1917208	Decal– model name, logo	1
4	1916784	Reverse Clutch Control Cable	1
5	20703	Handle, Height Adjustment	1
5A	9955	Washer–keyed	1
6	1900475001	Bracket–handlebar height adjust	1
7	1100046	Screw–hex hd., 3/8-16 x 1*	2
8	9904	Washer–plain (flat) 3/8, S.A.E.	2
9	9837	Locknut–hex, 3/8-16	2
10	9338	Hair Pin Cotter	2
11	1903597	Decal–forward clutch (A)	2
13	9442	Wheel Gear Control & Cable Assy. (incl. Ref. No.'s 14, 15, 19, 21, 22, and 23)	1
14	9057	Knob–wheel gear control lever	1
15	1186211	Nut–hex, 5/16-24, wheel gear cable adjustment	2
16	1100068	Screw–hex hd., 3/8-16 x 3/4*	2
17	1100243	Lockwasher–3/8	2
18	1916900	Engine Throttle Control & Cable	2
19	1735531	Ties–plastic	4
20	9212	Knob–throttle control lever	1
21	1114748	Screw–round hd, No. 10-32 x 1/2 .	8
22	1100240	Lockwasher–No. 10	4
23	1186208	Nut–hex, No. 10-32	4
24	9390	Grip–paddle	2
25	20863	Bail–forward clutch control (incl. two Grips, Ref. No. 24)	1
26	20862	Adjuster Assembly (incl. Ref. No.'s 27, 28, 29, 30, 38 and 39)	1
27	9532	Klip Ring	2
28	20808	Adjuster, Right Side	1
29	20809	Adjuster, Left Side	1
30	9059	Spring–Adjuster	1
31	9522	Nut–rectangular	1
32	9386	Klip Ring	1
33	20831	Rod–forward clutch	1
34	97083	Pin–Clevis	1
35	9853	Sems Nut	4
36	20806	Bracket–bail support	2
37	20888	Swivel	1
38	9432	Bushing	1
39	9973	Washer	1
40	1100805	Screw–hex hd., 1/4-20 x 3/4*	1
41	9811	Nut–1/4-20	1
42	9552	Screw–flanged hex hd, self-tapping, 1/4-20 x 1/2*	2

* Specify GRADE 5 if ordering part locally.

(A) Model 12197
(B) Model 12203

HOOD, BRACKET & DEPTH REGULATOR



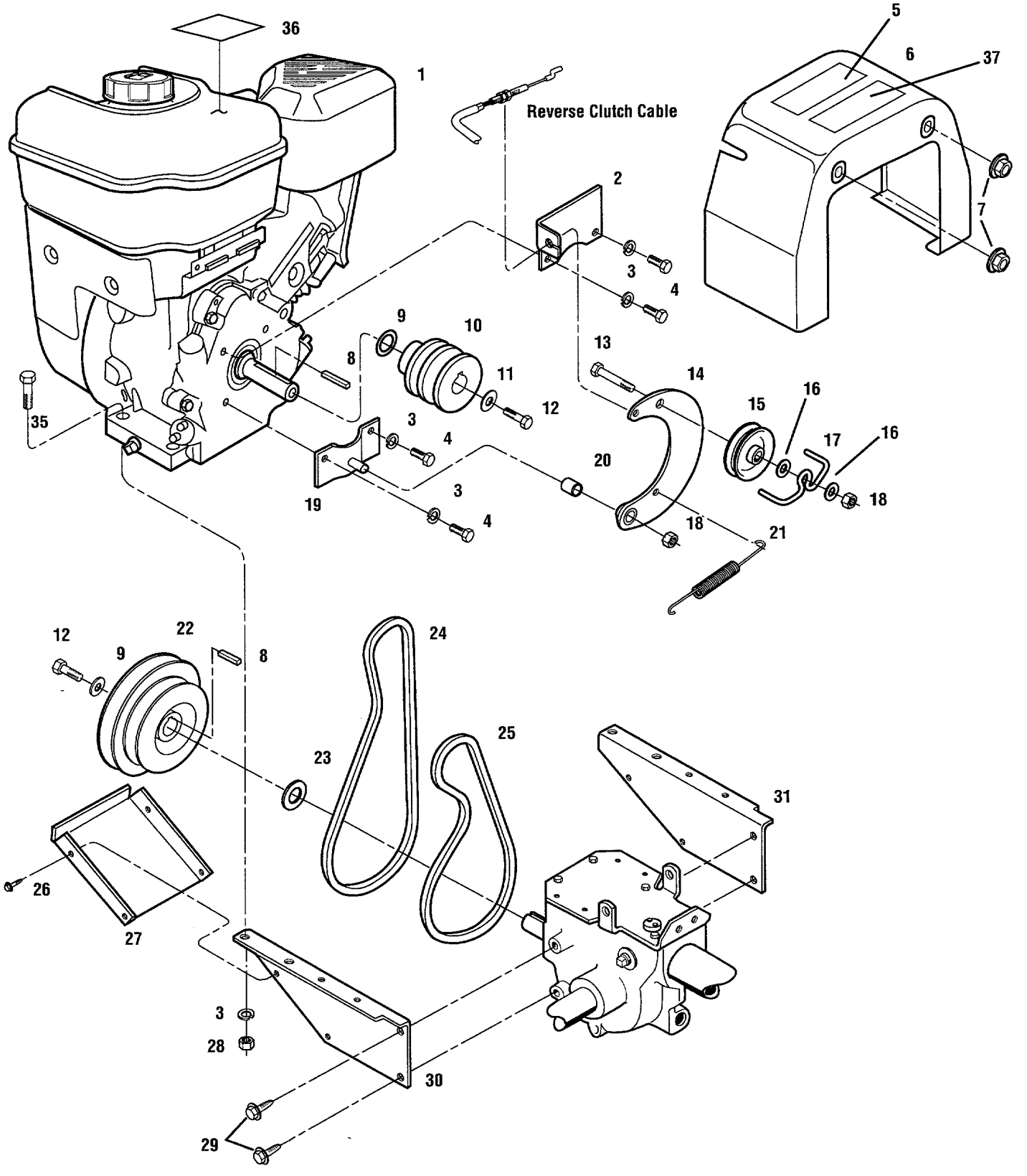
HOOD, BRACKET & DEPTH REGULATOR

REF No.	PART No.	DESCRIPTION	QTY.
1	1917236	Hood–tine cover, with hinged flap. Incl. Ref. No. 17, 20, 21. (B)	1
1	1917239	Hood–tine cover, with hinged flap. Incl. Ref. No. 21 - 27. (A)	
2	1100243	Lockwasher–3/8	2
3	2527	Bracket–hood & depth regulator (Incl. Ref. No. 9)	1
4	90038	Screw–flanged hex hd., 5/16-18 x 5/8*	2
5	9811	Locknut–hex, 1/4-20	1
6	1100069	Screw–hex hd., 1/4-20 x 1*	1
7	9384	Spring–depth regulator plunger	1
8	9438	Spacer	1
9	9308	Roll Pin–1/4 x 1 (spiral)	1
10	1117A	Bar Assembly–depth adjustment (Incl. Ref. No's. 11 and 12)	1
11	9120	Ring–retaining, tolerance ring	1
12	9119	Knob–depth regulator (Incl. Ref. No. 11)	1
13	1100043	Screw–hex hd, 3/8-16 x 1-1/4*	2
14	1113-1	Bushing–spacer, drag bar	2
15	1186231	Nut–hex, 3/8-16	2
16	20775	Drag Bar–depth regulator	1
17	1916805	Decal–tiller operating instructions. (B)	1
18	9553	Screw–hex hd, self-tapping, 5/16-18 x 1/2*	2
19	9552	Screw–flanged hex hd, self-tapping, 1/4-20 x 1/2*	2
20	1917199	Decal–Logo. (A and B)	1
21	1911361	Decal–Tine Warning. (B)	1
22	1916417	Decal–Read Operator Manual. (A) [Not shown.]	1
23	1916418	Decal–Thrown Object. (A) [Not shown.]	1
24	1916419	Decal–Hot Surface. (A) [Not shown.]	1
25	1916420	Decal–Read Operator Manual before Maintenance. (A) [Not Shown.]	1
26	1916421	Decal–Belt. (A) [Not Shown.]	1
27	1916423	Decal–Tines. (A) [Not Shown.]	1

* Specify GRADE 5 if ordering part locally.

(A) Model 12197
(B) Model 12203

ENGINE, SUPPORT BRACKETS, PULLEYS, BELTS & BELT COVER



ENGINE, SUPPORT BRACKETS, PULLEYS, BELTS & BELT COVER

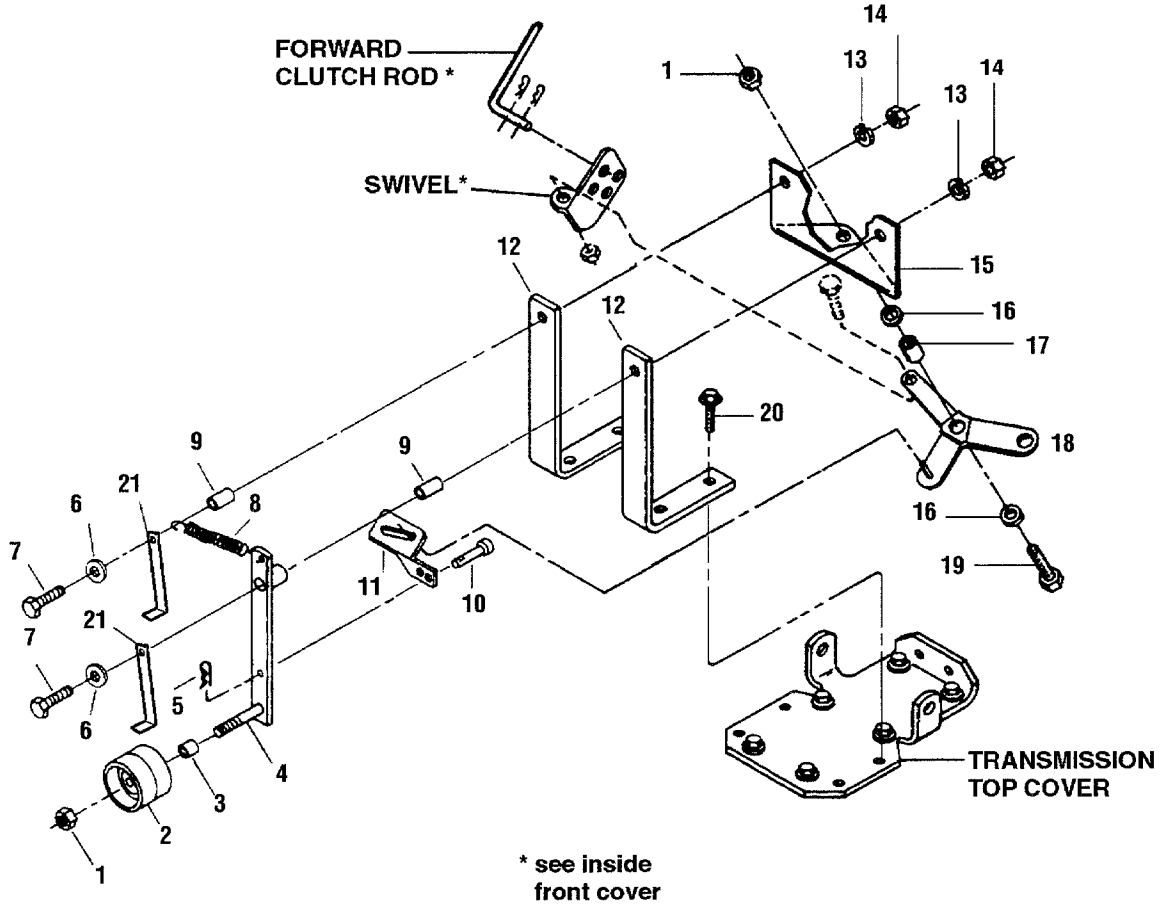
REF No.	PART No.	DESCRIPTION	QTY.
1	**	Engine – 6HP, standard recoil start	1
2	1916633001	Bracket, Clutch Cable	1
3	1100242	Lockwasher–5/16	8
4	1111696	Screw–hex hd., 5/16-24 x 1/2	4
5	1904557	Decal–Hot surfaces/belt warning	1
6	1917139	Cover–(incl. Ref. No. 5)	1
7	1186391	Nut–5/16-18, Flange Lock	2
8	1108841	Key–3/16 x 1-1/2	2
9	1138-1	Washer–Disc Spring	1
10	1916520	Pulley, Engine Drive	1
11	9944	Washer, Belleville	2
12	9572	Screw–hex hd., 5/16–24 x 1-1/8	2
13	1111606	Screw–hex hd., 5/16–18 x 2	1
14	1916578001	Reverse Idler Arm	1
15	1916535	Pulley, Reverse Idler	1
16	1107382	Washer, Flat, 5/16	2
17	1916725	Belt Guide	1
18	1110107	Locknut, 5/16–18	1
19	1916559001	Bracket, Reverse Idler	1
20	1916536	Bushing	1
21	1916728	Spring, Reverse Return	1
22	1916522	Pulley, Transmission	1
23	1440	Support Washer	1
24	1916753	Reverse Drive Belt	1
25	1909404	Forward Drive Belt	1
26	1900396	Screw–hex hd., #10-32 x 1/2, self-tapping	4
27	1916189001	Guard, Belts/Pulleys	1
28	1186230	Hex Nut, 5/16–18	4
29	1186329	Screw–flanged hex hd., 5/16-18 x 3/4*	4
30	1916797001	Support Bracket–engine, left side	1
31	1916796001	Support Bracket–engine, right side	1
32	----	Ref. No. not used.	
33	----	Ref. No. not used.	
34	----	Ref. No. not used.	
35	1100799	Screw–hex hd., 5/16–18 x 1-1/2	4
36	1915810	Decal–Stabilization	1
37	1903584	Decal–Warning Hot Surface. (B)	1

* Specify GRADE 5 if ordering part locally.

** See your local authorized engine service dealer for engine parts or service. Refer to engine nameplate for engine type and code information.

(A) Model 12197
(B) Model 12203

FORWARD IDLER ASSEMBLY

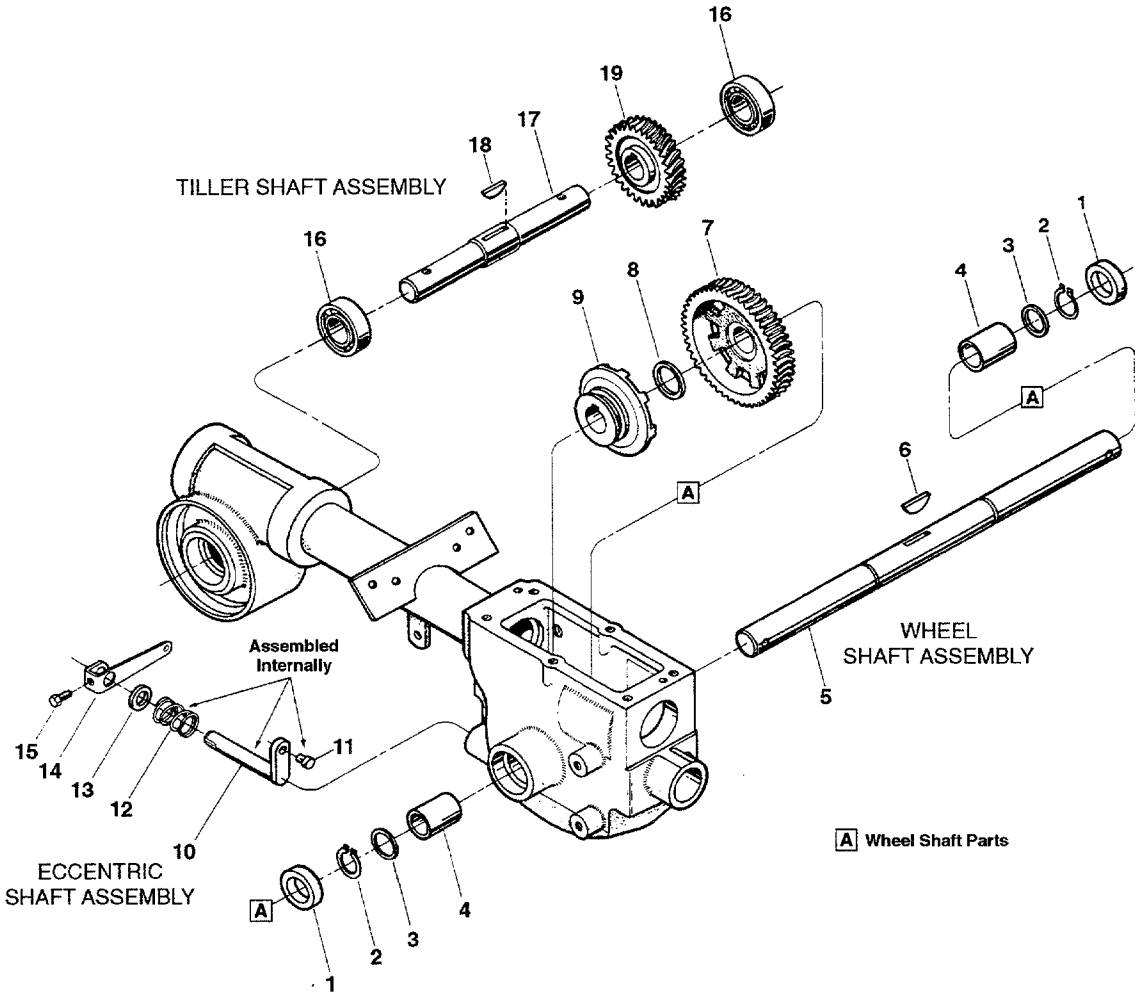


FORWARD IDLER ASSEMBLY

REF No.	PART No.	DESCRIPTION	QTY.
1	1110108	Locknut–hex, 3/8-16	2
2	9090	Pulley–idler, forward tiller	1
3	20532	Spacer	1
4	1916192001	Idler Arm–left, forward tiller direction	1
5	9338	Hairpin Cotter	1
6	20545	Washer–plain, 5/16	1
7	1111607	Screw–hex hd., 5/16-18 x 2-1/4*..	2
8	1916727	Spring	1
9	9479	Pivot Bushing	2
10	9340	Pin	1
11	20517-01	Forward Link	1
12	1916194001	Mounting Bar	2
13	1100242	Lockwasher–5/16	2
14	1186230	Nut–hex, 5/16-18	2
15	1916195001	Shifting Base	1
16	20553	Spacer–Bushing	2
17	20532	Bushing–bellcrank	1
18	1916196001	Bellcrank	1
19	1100043	Screw–hex hd., 3/8-16 x 1-1/4*	1
20	1186331	Screw–flanged hex hd., 5/16-18 x 1	1
21	1917149001	Belt Guide–forward belt	2

* Specify GRADE 5 if ordering part locally.

WHEEL SHAFT, ECCENTRIC SHAFT & TILLER SHAFT ASSEMBLIES



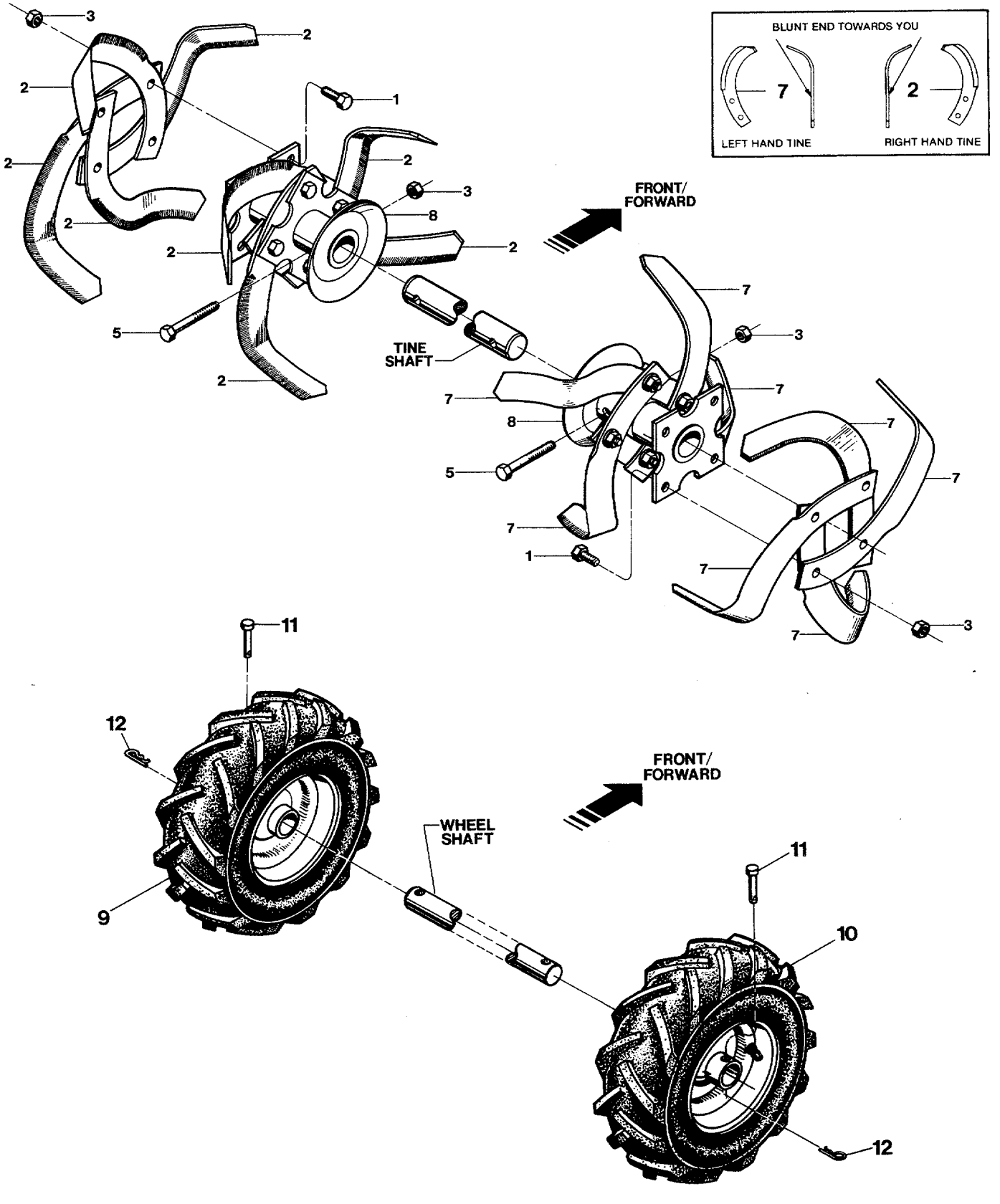
WHEEL SHAFT, ECCENTRIC SHAFT & TILLER SHAFT ASSEMBLIES

REF No.	PART No.	DESCRIPTION	QTY.
1	9621	Oil Seal–left and right sides	2
2	9511	Ring–retaining, heavy-duty, external	2
3	1166-1	Shim–1-1/64 I.D., .062 thick	A/R
---	1166-2	Shim–as above, but .030 thick	A/R
---	1166-3	Shim–as above, but .015 thick	A/R
---	1166-4	Shim–as above, but .010 thick	A/R
4	1086	Bushing	2
5	2494	Wheel Shaft (axle)–incl. Ref. No. 6	1
6	9373	Key–hi-pro (1/4 x 1-5/16), clutch to wheel shaft	1
7	20914	Gear–wheel drive (worm gear), cast iron	1
8	9935	Shim–between key and gear (1.016 I.D. x 1.468 O.D. x .062 thick)	1
9	20712	Clutch–wheel drive, cast iron	1
10	20879	Eccentric Shaft–wheel clutch shifting	1
11	1442	Pin–eccentric shaft	1
12	9055	Spring	1
13	9622	Oil Seal–eccentric shaft	1
14	20757	Lever–eccentric shaft	1
15	11000804	Screw–hex hd., 1/4-20 x 1/2*	1
16	97074	Ball Bearing–for tiller shaft	2
17	20896	Tiller Shaft–incl. Ref. No. 18	1
18	1104	Key–woodruff, 1/4 x 1-1/4, for tiller shaft/worm gear	1
19	20913	Worm Gear–bronze, tiller drive	1

* Specify GRADE 5 if ordering part locally.

A/R - As Required

BOLO TINES, WHEELS



BOLO TINES, WHEELS

REF No.	PART No.	DESCRIPTION	QTY.
1	1100043	Screw–hex hd., 3/8-16 x 1-1/4*....	16
2	1270-2A	Bolo Tine–single, right hand tine used on left side of tiller (Incl. two of each Ref. No.'s 1 and 3).	8
3	1733398	Hex Locknut, 3/8-16	18
5	1982612	Screw–hex hd., 3/8-16 x 2, GRADE 8.....	2
7	1270-1A	Bolo Tine–single, left hand tine used on right side of tiller (Incl. two of each Ref. No.'s 1 and 3).	8
8	1902154001	Tine Holder–for bolo tines, left and right sides.....	2
--	1901118	Replacement set of 16 Bolo Tines–includes eight each of right hand and left hand tines, and sixteen each of Ref. No.'s 1 and 3.....	1
9	2706-01	Wheel & Tire Assy–left side, 4.10x6 tire mounted on 6" gray wheel, tubeless pneumatic (10-20 lbs. air required), tractor tread	1
10	2706-02	Wheel & Tire Assy–right side, same specs. as above	1
11	9380	Clevis Pin–.312 x 1-3/4 long	2
12	9338	Hitch Pin	2

CUSTOM TILLING TINES (EXTRA LONG-WEARING)

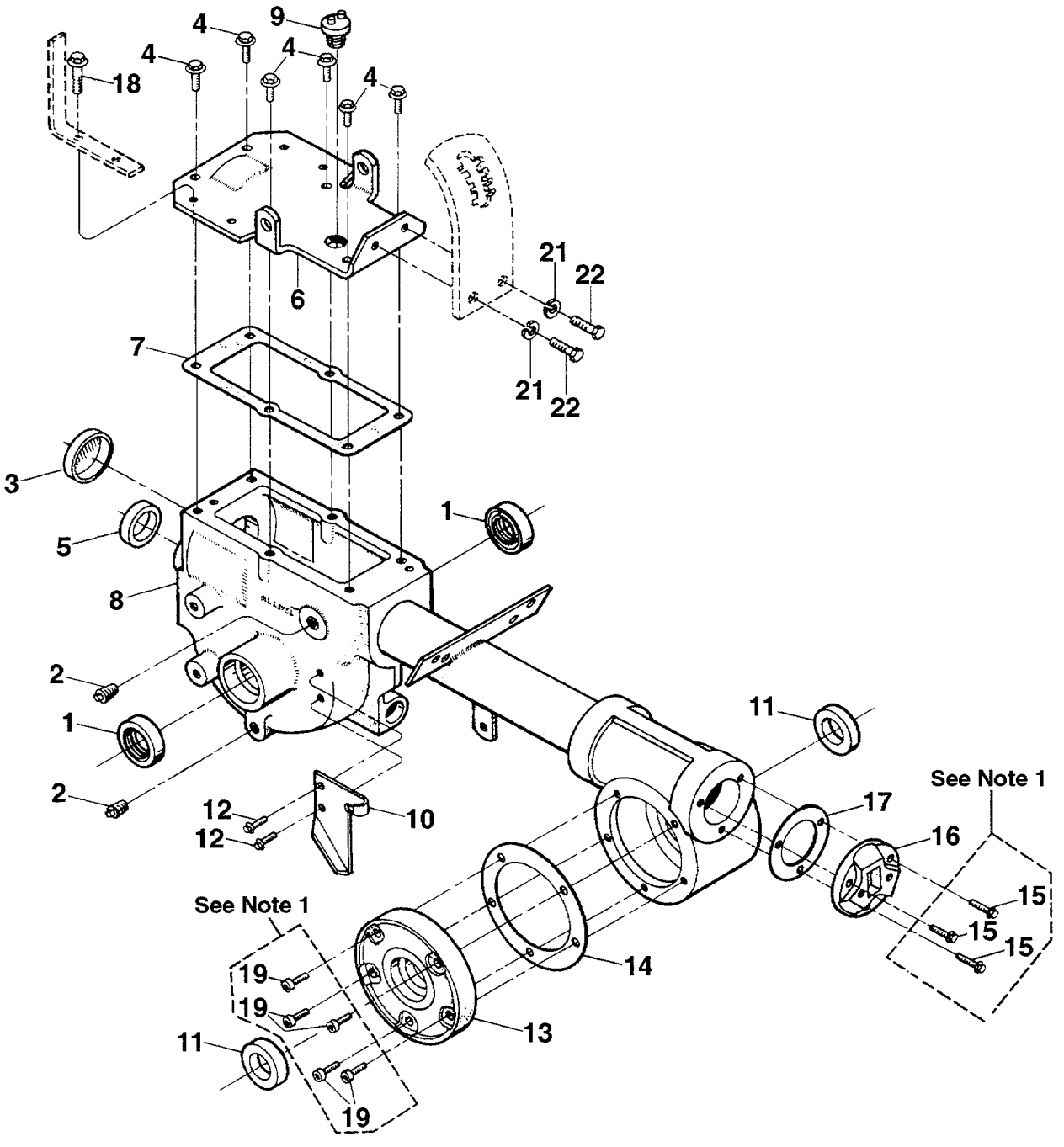
Special hard-faced tines that are thicker than standard tines for use in sandy, gritty soil, when custom tilling or market gardening

REF No.	PART No.	DESCRIPTION	QTY.
	10802	Custom Tilling Tine Kit–(Includes 8 #2475-1 bolo tines, 8 #2475-2 bolo tines, 16 #1100043 screws and 16 #1733398 locknuts)	1
	2475-1	Bolo Tine, custom tilling, left hand	8
	2475-2	Bolo Tine, custom tilling, right hand	8

IMPORTANT: Left and right sides of tiller are determined by standing in the operator position and facing the direction of forward travel.

* Specify GRADE 5 if ordering part locally.

TRANSMISSION HOUSING, COVERS, SEALS, GASKETS & PLUGS



NOTE 1: THESE SCREWS ARE A SPECIAL SEALING SCREW THAT CAN NOT BE REUSED WITHOUT RISKING THE LOSS OF TRANSMISSION OIL. IF THESE SCREWS ARE LOOSENED OR REMOVED, THEY MUST BE REPLACED WITH NEW HARDWARE.

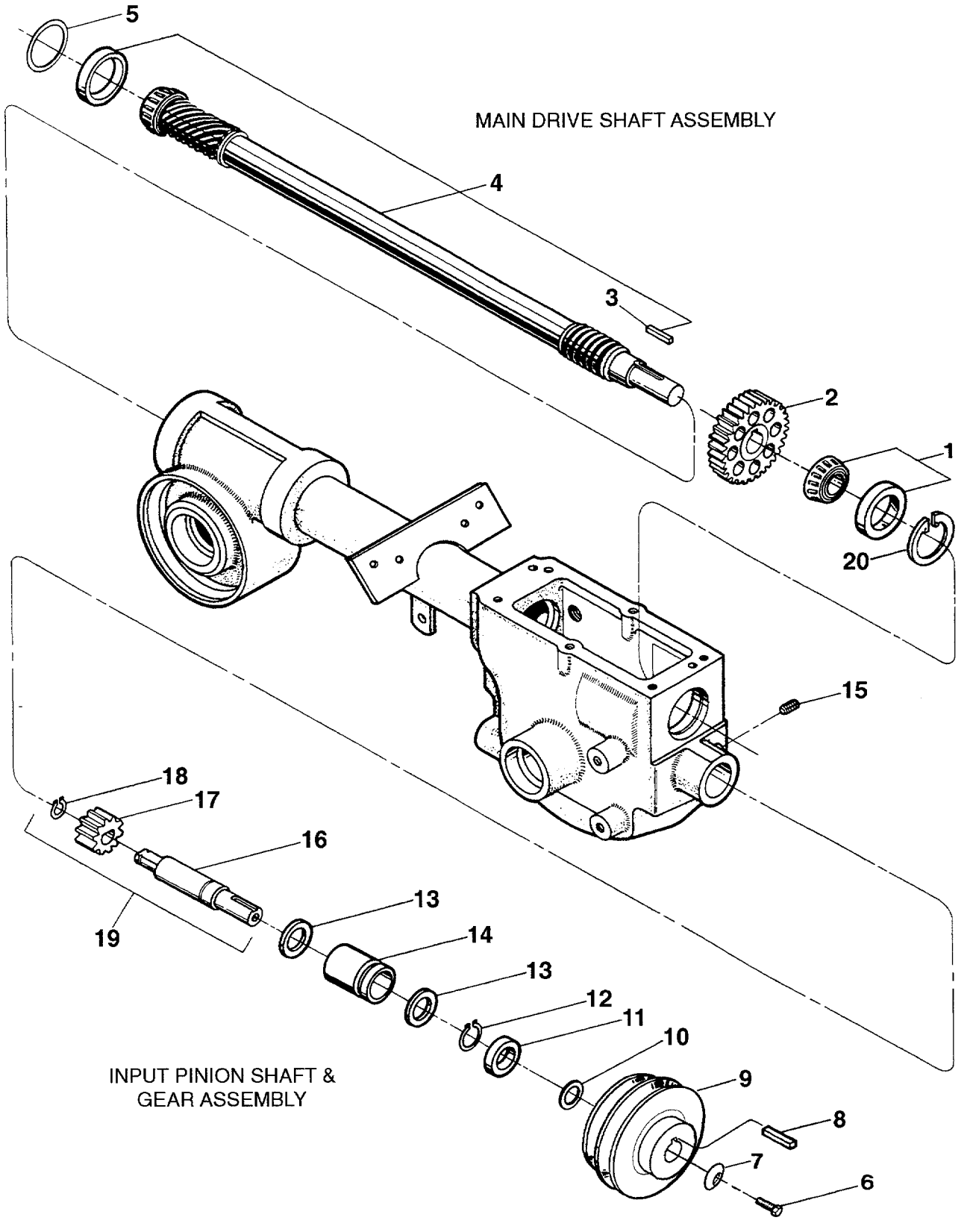
TRANSMISSION HOUSING, COVERS, SEALS, GASKETS & PLUGS

REF No.	PART No.	DESCRIPTION	QTY.
1	9621	Oil Seal–double lip, wheel shaft, right and left sides	2
2	9726	Plug–pipe, 1/4, oil level hole and gear oil drain hole	2
3	97076	Seal–transmission bore	1
4	1186329	Screw–flanged hex hd., 5/16-18 x 3/4*	6
5	85030	Oil Seal–input pinion shaft	1
6	11513	Cover–top of transmission (incl. four of Ref. No. 18 and two of each of Ref. No.'s 21 and 22)	1
7	20694	Gasket–transmission top cover	1
8	1916197001	Transmission case, tube and rear housing assembly	1
9	9467	Plug–gear oil fill hole	1
10	1916198001	Plate–wheel drive cable mounting.	1
11	97073	Oil Seal–tiller shaft, left and right sides	2
12	90038	Screw–flanged hex hd., 5/16-18 x 5/8*	2
13	1916273001	Cover–tiller housing, left side	1
14	1129-1	Gasket–tiller housing cover, .010 (fits all covers)	A/R
15	1915089	Screw Kit: includes three (3) 1/4-20 x 7/8 self-sealing screws	A/R
16	1115	Cap–rear bearing	1
17	1124-2	Gasket–rear bearing cap, .010 thick	A/R
18	1186331	Screw–flanged hex hd., 5/16-18 x 1*	4
19	1915087	Screw Kit: includes five (5) 1/4-20 x 5/8 self-sealing screws	A/R
20	-----	This Ref. No. not used	
21	1100243	Lockwasher–3/8	2
22	1100068	Screw–hex hd., 3/8-16 x 3/4*	2

* Specify GRADE 5 if ordering part locally.

A/R – As Required

DRIVE SHAFT, INPUT PINION SHAFT & GEAR ASSEMBLIES



MAINE DRIVE SHAFT, INPUT PINION SHAFT & GEAR ASSEMBLIES

MAIN DRIVE SHAFT

REF No.	PART No.	DESCRIPTION	QTY.
1	1714	Bearing–tapered roller with race..	1
2	20718	Gear–spur, main drive shaft.....	1
3	9301	Key–3/16 sq. x 1.....	1
4	11603	Drive Shaft–main drive shaft is one-piece with integral, single-lead work-hardened worm at front to drive the wheel worm gear, and integral six-lead work-hardened worm at rear to drive the tiller gear (also includes pressed-on #1714 rear roller bearing, race for bearing and #9301 key).....	1
5	1224-1	Shim–rear bearing cap, .010 thick (see Note 1 below).....	A/R
5	1224-2	Shim–same as above, but .030 thick (see Note 1)	A/R
5	1224-3	Shim–same as above, but .005 thick (see Note 1)	A/R
...	1325C	Shim Set–includes the following shims: two 1224-1; two 1224-2; one #1224-3	A/R

INPUT PINION SHAFT & GEAR ASSEMBLY

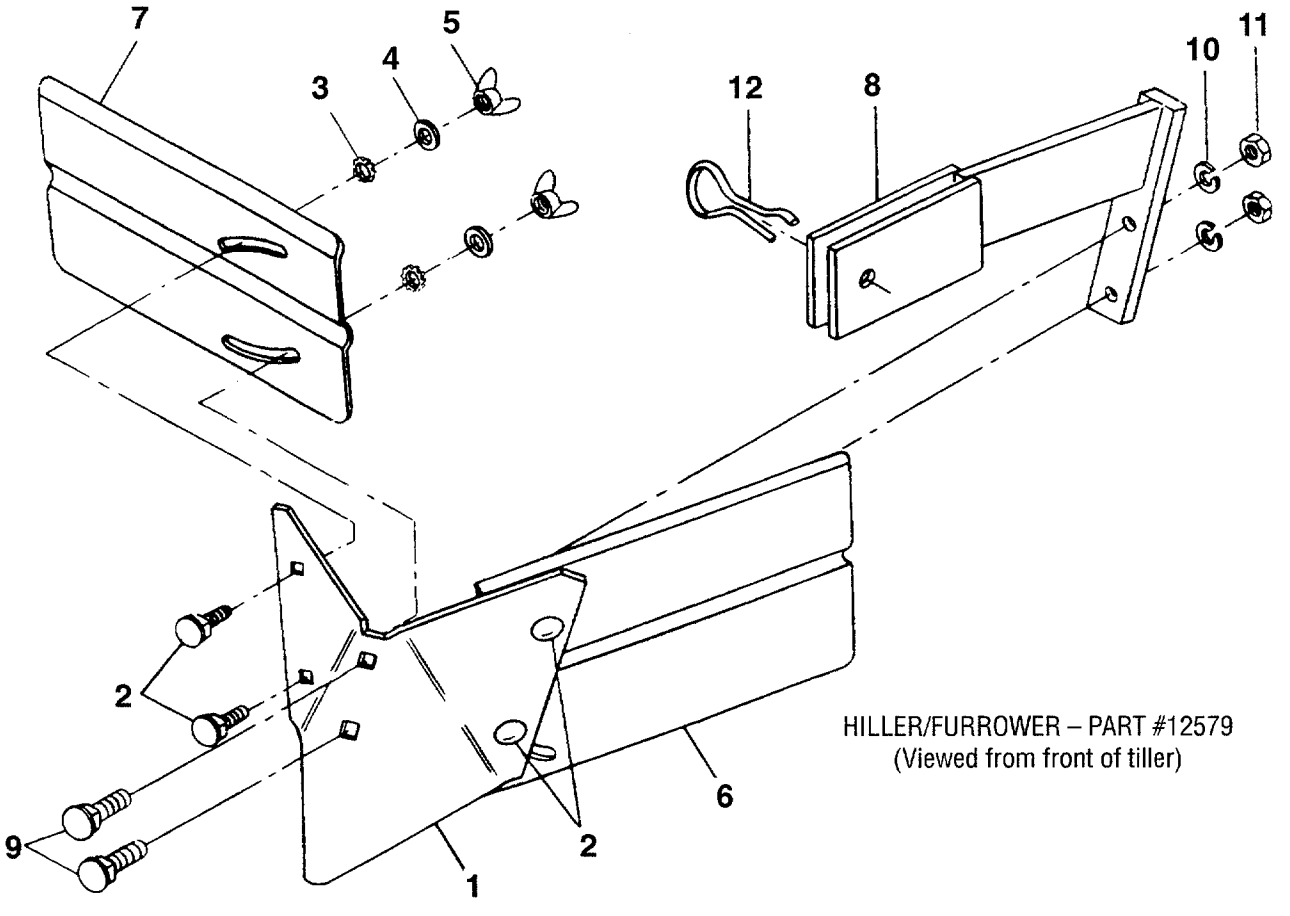
REF No.	PART No.	DESCRIPTION	QTY.
6	9572	Screw–hex hd., 5/16-24 x 1-1/8*	1
7	9944	Washer–disc spring (concave surface faces pulley)	1
8	1108841	Key–3/16 sq. x 1-1/2	1
9	20880	Pulley–transmission drive	1
10	1440	Washer–support.....	1
11	85030	Oil Seal–input pinion shaft, front.	1
12	9500	Ring–retaining (snap ring), external	1
13	9953	Washer–thrust.....	2
14	9428	Bushing	1
15	9677	Set Screw–5/16-18 x 3/8*	1
16	20791	Input Pinion–steel shaft.....	1
17	20792	Gear–input pinion.....	1
18	9093	Retainer–snap ring, external.....	1
19	20799	Pinion Assy–(incl. one each of Ref. No.'s 16, 17 and 18).....	A/R
20	9517	Retainer–snap ring, internal	1

NOTE 1–Shim between drive shaft rear bearing and rear bearing cap to achieve 5-to-10 thousandths of an inch (.005-.010) end play on drive shaft.

A/R - As Required

* Specify GRADE 5 if ordering part locally.

HILLER/FURROWER ATTACHMENT

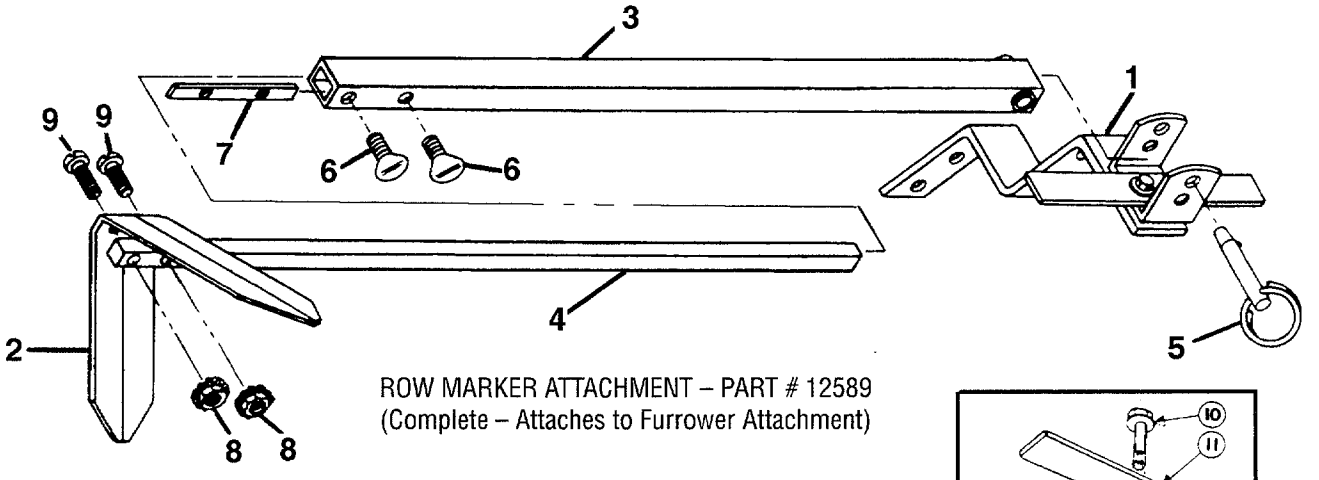


HILLER/FURROWER – PART #12579
(Viewed from front of tiller)

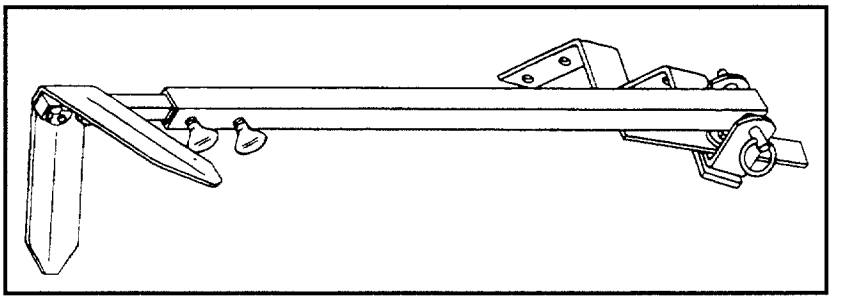
HILLER/FURROWER ATTACHMENT

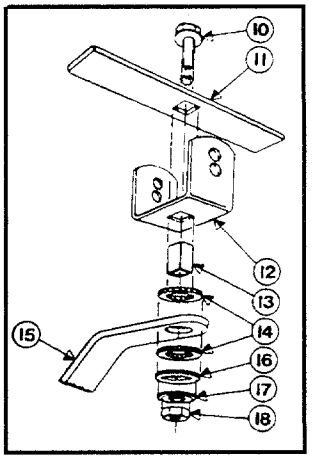
REF No.	PART No.	DESCRIPTION	QTY.
1	1900771001	Furrower–blade only	1
2	1186098	Carriage Bolt–5/16-18 x 3/4	4
3	1177548	Star Washer–external tooth, 5/16	4
4	9902	Plain Washer–5/16 S.A.E.	4
5	9824	Wing Nut–5/16-18	4
6	1900773001	Hiller Wing–left	1
7	1900774001	Hiller Wing–right	1
8	1900772001	Bracket–blade mounting	1
9	9725	Carriage Bolt–blade mounting, 3/8-16 x 1-1/2	2
10	1100243	Lockwasher–3/8, plated	2
11	1186231	Nut–hex, 3/8-16, plated	2
12	9318	Pin–clinch	1
--	12579	Hiller/Furrower–complete attachment (owner must bolt blade to mounting bracket, and wings to blade). Instructions included	1

ROW MARKER ATTACHMENT



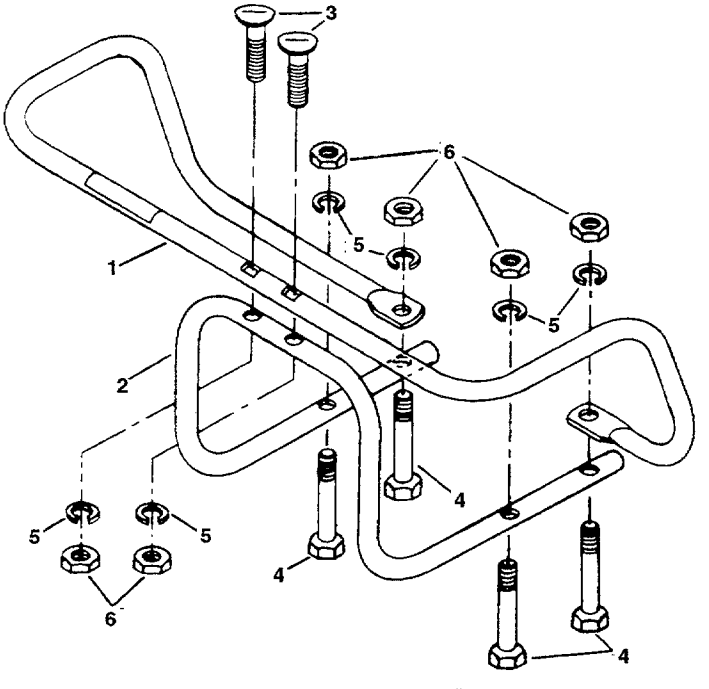
ROW MARKER ATTACHMENT – PART # 12589
(Complete – Attaches to Furrower Attachment)





MAIN SUPPORT & YOKE
ASSEMBLY
PART # 1904522001

BUMPER ATTACHMENT



BUMPER ATTACHMENT PART #12593
(Viewed from front of tiller)

ROW MARKER ATTACHMENT & BUMPER ATTACHMENT

REF No.	PART No.	DESCRIPTION	QTY.
		Row Marker Attachment – Part #12589	
1	1904522001	Main Support & Yoke Assy–complete. Incl. Ref. No.'s 10,11,12,13,14,15,16,17 & 18.	1
2	1594	Marker Blade–blade only	1
3	1904524001	Marker Arm–main arm	1
4	1904523001	Marker Arm–extension arm with stop pin	1
5	9347	Hitch Pin–(incl. in Hardware Pkg #1837)	1
6	9786	Thumbscrew–1/4-20 x 1/2, not avail. sep. (see hardware pkg. #1837)	2
7	1596	Nut Bar–(incl. in hardware pkg #1837)	1
8	9828	Nut–hex, 10-24 w/attached start washers, not avail. sep. (see hardware pkg #1837)	2
9	1100135	Screw–round hd.,10-24 x 1, not avail. sep. (see hardware pkg #1837)	2
---	1837	Hardware Package–includes: one #9347 hitch pin (Ref. 5), two #9786 thumbscrews (Ref. 6), one #1596 nut bar (Ref. 7), two #9828 hex nuts (Ref. 8), two 1100135screws (Ref. 9)	1
---	12582	Row Marker Attachment & Pony Hiller/Furrower Attachment – complete: incl. #12579 Pony Hiller/Furrower and #12589 Row Marker	1
---	12589	Row Marker Attachment – complete: attaches to furrower attachment #12579, includes #1904522001 Main Support & Yoke Assy.	1

REF No.	PART No.	DESCRIPTION	QTY.
		Row Marker Main Support & Yoke Assembly – Part #1904522001	
10	1186349	Screw–hex flanged locking, 3/8-16 x 1-1/2*	1
11	1593	Stop Bar	1
12	1592	Yoke	1
13	1591	Tube Key–square	1
14	1590	Washer–friction	2
15	1588	Main Support	1
16	1589	Washer–square hole	1
17	9925	Washer–disc spring	1
18	1186231	Nut–hex 3/8-16	1
		Bumper Attachment – Part #12593	
19	1904757001	Bumper–top section	1
20	1904758001	Bumper–bottom section	1
21	1731025	Bolt–curved head, 5/16-18 x 2 (special bolt); also see #1915811 hardware kit	2
22	1111608	Bolt–hex hd., 5/16-18 x 2-1/2*, not avail. separately (order #1915811 hardware kit	4
23	1100242	Lockwasher–5/16, not avail. separately (order #1915811 hardware kit	6
24	1186230	Nut–hex, 5/16-18, not avail. separately (order #1915811 hardware kit	6
---	1915811	Hardware Kit: two #1731025 curved head bolts; four #1111608 hex hd. bolts; six #1100242 lock-washers; six #1186230 hex nuts	1

Note: Common hardware listed above as "not available separately" can be easily found at most good, local hardware stores.

* Specify GRADE 5 if ordering part locally.

Parts Ordering Information

For service or parts for your unit or engine:

For service assistance or parts, contact your local authorized dealer or call or write to the factory. When ordering parts, be sure to provide the following:

- Serial number and model number of your unit.
- Part number of the part needed.
- Part description.
- Quantity needed.

For engine service or parts, contact your local authorized engine dealer. Look in the Yellow Pages of the phone book under "Engines-Gasoline" for the name of local authorized engine dealers. An authorized engine dealer can handle all parts, repairs, and warranty service concerning the engine.
NOTE: Some parts on your engine are exclusive to this unit and may not be available from the engine dealer. Refer to the engine drawings in this catalog to identify and order these exclusive parts.

Record your unit's model number and serial number:

When requesting service or parts from the factory or your local authorized dealer, be sure to provide the information on the unit's model/serial number decal. The location of this decal is pointed out by the arrow in the illustration below.

Model Number: _____

Serial Number: _____

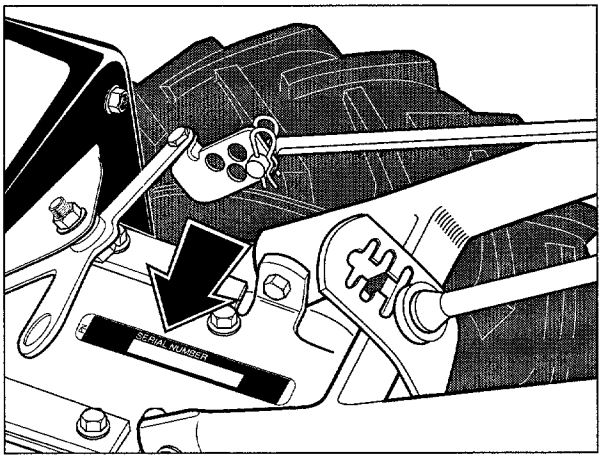
CAUTION

We urge that you use only genuine replacement parts, which meet all of the latest requirements. Replacement parts manufactured by others could present safety hazards, even though they may fit on this product!

IMPORTANT:

All of our genuine replacement parts must conform to rigid quality specifications. Some replacement parts we provide may vary slightly in shape, color or texture from the original parts, but these slight variations will not affect unit performance.

NOTE: LEFT and RIGHT sides of the unit are determined by standing behind the handlebars and facing the direction of forward travel.



For customer assistance, contact your nearest authorized dealer or:

GARDEN WAY INCORPORATED • 1 Garden Way • Troy, New York 12180
Customer Service: 1-800-437-8686 • Technical Service: 1-800-520-5520 • Parts Service: 1-800-648-6776
• FAX: (518) 391-7332

Outside the United States and Canada:
Customer Service: (518) 391-7007 • Technical Service: (518) 391-7008 • Parts Service: (518) 391-7006
• FAX (518) 391-7332

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